ETMA
Magnetic incremental linear sensor

ETMA1
Magnetic incremental linear sensor
- Resolution:
  0,1 mm (0,025 mm after 4 signal division)
- Zero impulse every 5 mm

ETMA2
Magnetic incremental linear sensor
- Resolution:
  0,04 mm (0,01 mm after 4 signal division)
- Zero impulse every 2 mm

Ordering codes for Magnetic incremental linear sensor

ETM	A	1	Z	5	L	S	PR3	.	XXX

In case of particular Customer variant separate with a full stop

ETM = Eltra magnetic incremental linear sensor

XXX = Particular Customer variants indicated by a progressive number from 001 to 999

A = horizontal — **Type head**

3 = 3m (Standard)
6 = 6m
10 = 10m
20 = 20m
— **Lenghts available**

1 = 0,1 mm (0,025 after 4 signal division)
2 = 0,04 mm (0,01 after 4 signal division)
— **Resolution**

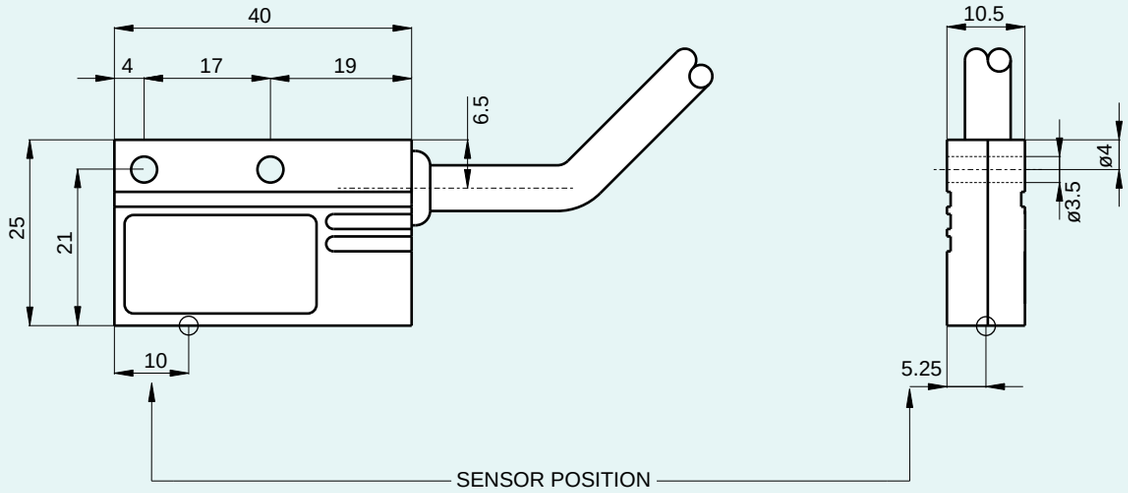
Z = with zero impulse every 5mm with ETMA1 with zero impulse every 2mm with ETMA2 — **Zero impulse**

S = standard IP67 — **Protection**

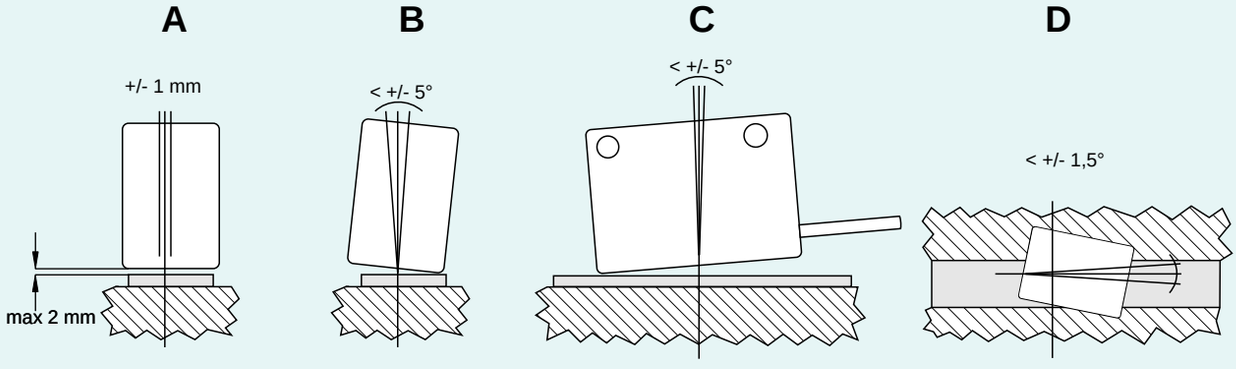
5 = 5V
8 ÷ 24 = from 8V to 24V
— **Sensor power supply (Vdc)**

P = PUSH PULL
L = LINE DRIVER
— **Electronics**

ETM



Mechanical tolerances of the sensor



Electronic Characteristics

Resolution	0,1 mm (0,025 after 4 signal division) for ETMA1 0,04 mm (0,01 after 4 signal division) for ETMA2
Repeatability	+/- 0,025 mm
Electronic output configuration	LINE DRIVER / PUSH PULL
Power supply	5 Vdc 8 ÷ 24 Vdc
Zero impulse	with zero every 5 mm for ETMA1 with zero every 2 mm for ETMA2
Max Velocity	4 m/s
Max Frequency	40 Khz

Cable colour

COLOUR	FUNCTION
RED	+Vdc
BLACK	0 Volt
GREEN	A
YELLOW	B
BLUE	Z
BROWN	$\overline{A}$
ORANGE	$\overline{B}$
WHITE	$\overline{Z}$

Mechanical characteristics

IP Protection	IP67 - STANDARD
Shock	50 G for 11 msec
Vibrations	10G 10 ÷ 2000 Hz
Container Material	Aluminium
Fixing	n°2 hole ø3,5
Operating Temperature	0° ÷ +60°C
Storage Temperature	-25° ÷ +70°C
Max working distance	< 2 mm
Weight	150g

Eltra
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